

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. *(Currently Amended)* A computerized method of dynamic personalized reading instruction comprising the computer-implemented steps of:
 - determining a first word recognition level of a user;
 - displaying words to the user based on the determined first word recognition level from a set of words classified by word recognition levels;
 - providing at least one comprehension aid to the user, the provided comprehension aid operable to help the user to comprehend the displayed words;
 - determining word recognition errors based on user comprehension of the displayed words using the at least one comprehension aid provided to the user; and
 - determining a second word recognition level of the user based on the determined word recognition errors.

2. *(Currently Amended)* The computerized method of claim 1, wherein the first word recognition level is determined based on at least one of: age, scholastic grade and level within the grade, and an interactive test sequence.

3. *(Currently Amended)* The computerized method of claim 1, wherein at least one of a set of words in the set of words classified by word recognition level is associated with a comprehension aid.

4. *(Currently Amended)* The computerized method of claim 3, wherein the comprehension aid is a human sensible explanation of the concept of at least one classified word.

5. *(Currently Amended)* The computerized method of claim 4, wherein the human sensible explanation of the concept is at least one of: a graphic icon, an animation, audio information, and video information.

6. *(Currently Amended)* A computerized method of dynamic personalized reading instruction comprising the computer-implemented steps of:

- determining a text;
- analyzing the text based on a theory of discourse analysis;
- determining a first user reading level;
- displaying a grammatical tunable text summary to the user based on the determined user reading level;
- providing at least one comprehension aid to the user, the provided comprehension aid operable to help the user to comprehend the text;
- determining user comprehension of the text using the at least one comprehension aid provided to the user; and

determining a further user reading levels based on the user comprehension and reading level.

7. *(Currently Amended)* The computerized method of claim 6, further comprising the step of displaying salient information from the grammatical tunable text summary based on at least one of: a user request, determined reading speed, and determined comprehension level.

8. *(Currently Amended)* The computerized method of claim 7, wherein the text is analyzed based on at least one of: the Discourse Structures Theory, Linguistic Discourse Model, Rhetorical Structure Theory, Systemic Functional Grammar, and Tagmemics.

9. *(Currently Amended)* The computerized method of claim 7, wherein a first user reading level is determined based on at least one of: age, academic grade and level within the grade, and interactive test performance.

10. *(Currently Amended)* The computerized method of claim 9, wherein at least one comprehension aid is associated with at least one portion of the grammatical tunable text summary.

11. *(Currently Amended)* The computerized method of claim 10, wherein the at least one comprehension aid is a human sensible concept explanation for at least one of the portions of the grammatical tunable text summary.

12. (*Currently Amended*) The computerized method of claim 11, wherein the at least one comprehension aid includes at least one of: a graphic icon, an animation, audio information, and video information.

13. (*Currently Amended*) A computerized method of combined word and sentence level dynamic personalized reading instruction comprising the computer-implemented steps of:

- providing word level dynamic personalized instruction comprising the steps of:
 - determining a first word recognition level of a user;
 - displaying to the user words based on the determined first word recognition level from a set of words classified by word recognition levels;
 - providing at least one comprehension aid to the user, the provided comprehension aid operable to help the user to comprehend the displayed words;
 - determining word recognition error based on user comprehension of a word using the at least one comprehension aid provided to the user;
 - determining a second word recognition level of the user based on the determined user word recognition errors;
- providing sentence level dynamic personalized instruction comprising the steps of:
 - determining a text;
 - analyzing the text based on a theory of discourse analysis;
 - determining a first user reading level;
 - displaying a grammatical tunable text summary based on the determined reading level;

determining user comprehension of the text; and
determining a second user reading level based on the user comprehension and reading level.

14. (*Previously Presented*) A system for dynamic personalized reading instruction comprising:

a controller;
a memory for storing words and comprehension aids classified by word recognition levels;
a word recognition level determining circuit for determining a word recognition level of a user;
a word display circuit for displaying to the user words from the stored words based on the determined word recognition level;
a recognition error determining circuit for determining user recognition errors;
a comprehension aid display circuit for displaying comprehension aids to the user based on the determined user recognition errors; and
a word recognition level adjusting circuit adjusting the word recognition level of the user based on the determined recognition user errors.

15. (*Previously Presented*) The system of claim 14, wherein a first word recognition level is determined based on at least one of: age, scholastic grade and level within the grade, and an interactive test sequence.

16. (*Original*) The system of claim 14, wherein at least one of a set of words in the set of words classified by word recognition level is associated with a comprehension aid.

17. (*Original*) The system of claim 16, wherein the comprehension aid is a human sensible explanation of the concept of at least one classified word.

18. (*Previously Presented*) The system of claim 17, wherein the human sensible explanation of the concept is at least one of: a graphic icon, an animation, audio information, and video information.

19. (*Previously Presented*) A system for dynamic personalized reading instruction comprising:

 a memory;

 an input/output circuit for loading a selected text into the memory;

 a discourse analysis circuit for analyzing the text;

 a grammatical tunable text summary generating circuit for determining a grammatical tunable text summary of the analyzed text;

 a text determining circuit for determining display text based on a determined reading level information of a user;

 a comprehension question generating circuit for generating comprehension questions to the user based on the grammatical tunable text summary; and

 a controller for determining a new reading level of the user based on at least one of the determined user comprehension and reading speed.

20. (*Previously Presented*) The system of claim 19, wherein salient information from the grammatical tunable text summary is displayed based on at least one of: a user request, determined reading speed, and determined comprehension.

21. (*Previously Presented*) The system of claim 19, wherein the text is analyzed based on at least one of: the Discourse Structures Theory, Linguistic Discourse Model, Rhetorical Structure Theory, Systemic Functional Grammar, and Tagmemics.

22. (*Previously Presented*) The system of claim 19, wherein a first user reading level is determined based on at least one of: age, academic grade and level within the grade, and interactive test performance.

23. (*Original*) The system of claim 22, wherein at least one comprehension aid is associated with at least one portion of the grammatical tunable text summary.

24. (*Original*) The system of claim 23, wherein the at least one comprehension aid is a human sensible concept explanation for at least one of the portions of the grammatical tunable text summary.

25. (*Previously Presented*) The system of claim 24, wherein the at least one comprehension aid includes at least one of: a graphic icon, an animation, audio information, and video information.

26. (*Previously Presented*) A system of combined word and sentence level dynamic personalized reading instruction comprising:

a word level dynamic personalized instruction comprising:

a controller;

a memory for storing words, comprehension aids classified by word recognition levels and a text;

a word recognition level determining circuit for determining a word recognition level of a user;

a word display circuit for displaying words from the stored words based on the determined word recognition level;

a recognition error determining circuit for determining user recognition errors;

a comprehension aid display circuit for displaying comprehension aids to the user based on the determined user recognition errors;

a word recognition level adjusting circuit adjusting the word recognition level based on the determined user recognition errors; and

a sentence level dynamic personalized instruction circuit comprising:

an input/output circuit for loading a selected text into the memory;

a discourse analysis circuit for analyzing the text;

a grammatical tunable text summary generating circuit for determining a grammatical tunable text summary of the analyzed text;

a text determining circuit for determining display text based on a determined reading level information of the user;

a comprehension question generating circuit for generating comprehension questions to the user based on the grammatical tunable text summary; and

a controller for determining a new reading level of the user based on at least one of the determined user comprehension and reading speed.

27. *(Currently Amended)* A computerized method of dynamic personalized reading instruction comprising the computer-implemented steps of:

determining a text in a first language;
analyzing the text based on a theory of discourse analysis;
determining a first reading level of a user;
displaying a grammatical tunable text summary based on the determined reading level;
determining user comprehension errors for the text;
displaying comprehension aids based on at least the determined user comprehension errors, a language of instruction, and the determined user reading level; and
determining a second user reading level based on the user comprehension and reading level.

28. *(Currently Amended)* A computer readable storage medium, comprising a computer readable program code embodied on the computer readable storage medium, the computer readable program code usable to program a computer to perform dynamic personalized reading instruction further comprising carrier wave encoded to transmit a control program usable

~~for dynamic personalized reading instruction to a device for executing the control program, the control program including instructions comprising:~~

instructions for determining a first word recognition level of a user;

instructions for displaying words based on the determined word recognition level of a user from a set of words classified by word recognition levels;

instructions for providing at least one comprehension aid to the user, the provided comprehension aid operable to help the user to comprehend the displayed words;

instructions for determining word recognition errors based on user comprehension of a word using the at least one comprehension aid provided to the user; and

instructions for determining a second word recognition level of a user, the first word recognition level being dynamically adjusted based on the determined word recognition errors, wherein the first word recognition level is determined based on at least one of: age, scholastic grade and level within the grade, and an interactive test sequence.

29. *(Currently Amended)* A computer readable storage medium, comprising a computer readable program code embodied on the computer readable storage medium, the computer readable program code usable to program a computer to perform dynamic personalized reading instruction further comprising ~~carrier wave encoded to transmit a control program usable for dynamic personalized reading instruction to a device for executing the control program, the control program including instructions comprising:~~

instructions for determining a text;

instructions for analyzing the text based on a theory of discourse analysis;

instructions for determining a first user reading level;

instruction for displaying a grammatical tunable text summary based on the determined reading level;

instructions for providing at least one comprehension aid to the user, the provided comprehension aid operable to help the user to comprehend the displayed text;

instructions for determining user comprehension of the text using the at least one comprehension aid provided to the user; [[and]]

instructions for determining further user reading levels based on the user comprehension and reading level; and

displaying salient information from the grammatical tunable text summary based on at least one of: a user request, determined reading speed, and determined comprehension level.

30. *(Currently Amended)* A computer readable storage medium, comprising a computer readable program code embodied on the computer readable storage medium, the computer readable program code usable to program a computer to perform dynamic personalized reading instruction further comprising ~~the steps of:~~

instructions for determining a first word recognition level of a user;

instructions for displaying to the user words based on the determined word recognition level from a set of words classified by word recognition levels;

instructions for providing at least one comprehension aid to the user, the provided comprehension aid operable to help the user to comprehend the displayed words;

instructions for determining word recognition errors based on user comprehension of a word using the at least one comprehension aid provided to the user; and

instructions for determining a second word recognition level of the user, the first word recognition level being dynamically adjusted based on the determined word recognition errors.

31. *(Currently Amended)* A computer readable storage medium, comprising a computer readable program code embodied on the computer readable storage medium, the computer readable program code usable to program a computer to perform dynamic personalized reading instruction further comprising the steps of:

instructions for determining a text;

instructions for analyzing the text based on a theory of discourse analysis;

instructions for determining a first user reading level;

instruction for displaying to the user a grammatical tunable text summary based on the determined reading level;

instructions for providing at least one comprehension aid to the user, the provided comprehension aid operable to help the user to comprehend the displayed text;

instructions for determining user comprehension of the text using the at least one comprehension aid provided to the user; and

instructions for determining a further user reading levels based on the user comprehension and reading level.